Listing and Amendments to the Claims

This listing of claims will replace all previous versions and listings of claims in this application:

1. **(Currently Amended)** Method of ~~simplifying~~ embedding ~~of~~ watermarks in different copies of a media signal, comprising ~~the steps of~~:

- determining watermarking properties ~~(p)~~ dependent on the [[a]] media signal ~~(x)~~ ~~(step 30; 58)~~, and

- storing the ~~signal dependent~~ watermarking properties ~~(step 32; 60)~~, such that the ~~signal dependent~~ watermarking properties can be used when embedding unique watermarks in different copies of the media signal.

2. **(Currently Amended)** Method according to claim 1, further comprising ~~the step of~~ sending the media signal together with information at least based on the ~~signal depending~~ watermarking properties to at least one recipient~~, (step 38; 62)~~.

3. **(Currently Amended)** Method according to claim 2, further comprising ~~the step of~~ embedding the unique watermarks ~~(w_A, w_B, w_c)~~ in different copies of the media signal using the ~~stored signal dependent~~ watermarking properties ~~(step 36)~~ and wherein ~~the step of sending comprises sending~~ a copy of the media signal is sent to each recipient with an embedded unique watermark ~~(x_A, x_B, x_C)~~, ~~(step 38)~~.

4. **(Currently Amended)** Method according to claim 3, further comprising ~~the step of~~ mixing watermarks for providing a unique mix of the watermarks in copies of the media signal.

5. **(Currently Amended)** Method according to claim 2, wherein ~~the step of sending comprises sending~~ the media signal is sent together with the ~~signal dependent~~ watermarking properties ~~(step 62)~~, for enabling embedding of a watermark by a recipient.

6. **(Currently Amended)** Method according to claim 5, further comprising ~~the step of~~ losslessly encoding the ~~signal dependent~~ watermarking properties in the media signal.

7. **(Currently Amended)** Method according to claim 1, wherein the ~~signal dependent~~ watermarking properties are based on a perceptual model of a human sensing system.

8. **(Currently Amended)** Method according to claim 1, wherein ~~the step of~~ determining and storing are performed off-line and ~~the step of~~ sending is performed on-line.

9. **(Currently Amended)** ~~Method of embedding a watermark in a media signal (x)~~ The method according to claim 1 further comprising ~~the step of~~:

- receiving the [[a]]media signal together with ~~certain~~ the watermarking properties ~~(p)~~ dependent on the media signal, ~~(step 64)~~, and

- embedding a watermark ~~(w_A)~~ based on the ~~signal dependent~~ watermarking properties ~~(p)~~ in a copy of the media signal ~~(x), (step 68)~~.

10. **(Currently Amended)** Method according to claim ~~10~~ 9, wherein the signal properties are losslessly encoded ~~(LE)~~ in the media signal ~~(x^2)~~ and further comprising ~~the step of~~ losslessly decoding ~~(LD)~~ the ~~signal~~ watermarking properties from the media signal.

11. **(Currently Amended)** Device for ~~simplifying the~~ embedding [[of]] watermarks in different copies of a media signal comprising a server unit ~~(10)~~ including:

- a properties determining unit ~~(14)~~ for determining signal dependent watermarking properties ~~(p)~~ of the [[a]] media signal ~~(x)~~, and

- a signal properties store ~~(16)~~ for storing the signal dependent watermarking properties, such that the signal dependent watermarking properties can be used for embedding unique watermarks in different copies of the media signal.

12. **(Currently Amended)** Device according to claim 11, further comprising a sending unit ~~(28; 52)~~ arranged to send the media signal together with information at least based on the signal ~~depending~~ dependent watermarking properties to at least one recipient.

13. **(Currently Amended)** Device according to claim 12, further comprising at least one watermarking unit ~~(22, 24, 26)~~ for embedding the unique watermarks ~~(w_A, w_B, w_c)~~ in different

copies of the media signal using the stored signal dependent watermarking properties for enabling the sending of a uniquely watermarked media signal ~~(x_{A}, x_{B}, x_{C})~~ to each recipient.

14. **(Currently Amended)** Device according to claim 13, wherein the sending unit ~~(28)~~ further comprises a mixing unit ~~(50)~~ arranged to mix watermarks such that the unique watermark sent to a recipient is a unique mix of the generated watermarks.

15. **(Currently Amended)** Device according to claim 12, wherein the sending unit ~~(52)~~ is arranged to send the media signal ~~(x)~~ together with the signal dependent watermarking properties ~~(p)~~, for enabling embedding of a watermark by a recipient.

16. **(Currently Amended)** Device according to claim 15, further comprising a lossless encoding unit ~~(72)~~ for losslessly encoding the signal dependent watermarking properties in the media signal.

17. **(Original)** Device according to claim 11, wherein the properties determining unit is arranged to determine the signal dependent watermarking properties based on a perceptual model of a human sensory system.

18. **(Currently Amended)** ~~Device (54) for embedding a watermark in a media signal~~ The device according to claim 11 further comprising:

- a receiving unit ~~(56)~~ for receiving the [[a]] media signal together with ~~certain~~ the signal dependent watermarking properties ~~(p)~~ dependent on the media signal ~~(x)~~, and

- a watermarking unit ~~(22)~~ arranged to embed a watermark ~~(w_{A})~~ based on the signal dependent watermarking properties ~~(p)~~ in a copy of the media signal.

19. **(Currently Amended)** Device according to claim 18, wherein the signal dependent watermarking properties are losslessly encoded in the media signal and further comprising a lossless decoding unit ~~(74)~~ for losslessly decoding the signal dependent watermarking properties from the media signal.

20-21. **(Cancelled)**